

## INTERNATIONAL SEARCH REPORT

PCT/IB2004/004170

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A01N43/38 C07D401/14 C07D401/04 C07D403/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A01N C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 224 919 A (FUJISAWA) 10 June 1987 (1987-06-10) page 44-45, preparation 22, 1-acetyl-3-(1-acetyl-4-piperidinyl)-2,3-di hydro-1H-Indole ----- TAJIMA ET AL: "Structures of dimers and trimers of 1-trimethylacetylindole produced in the presence of aluminum chloride" TETRAHEDRON LETTERS, vol. 41, no. 7, 2000, pages 1059-1062, XP002323039 compounds 4A, 4B, 4C, 5C ----- -/-	9
X		9

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

1 April 2005

Date of mailing of the international search report

13/04/2005

## Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Category	Relevant to claim No.
X	MARINO ET AL: "An approach to lysergic acid utilizing an intramolecular isomünchone cycloaddition pathway" JOURNAL OF ORGANIC CHEMISTRY, vol. 60, no. 9, 1995, pages 2704-2713, XP002323037 page 2708; compound 32	9
X	BONJOCHE ET AL: "Benzomorphan related compounds. XXII. Reduction of 3-(tetrahydropyridyl)indoles to indolines. Synthesis of a new type of indolomorphan" TETRAHEDRON, vol. 42, no. 24, 1986, pages 6693-6702, XP002323036 page 6701, paragraphs 1,2; compounds 14, 15	9
X	YOUNGDALE ET AL: "Synthesis and pharmacological activity of 3-(2-pyrrolidinyl)indoles" JOURNAL OF MEDICINAL CHEMISTRY, vol. 7, 1964, pages 415-427, XP002323038 1-acetyl-3-pyrrolidin-2-yl-2,3-dihydro-indole	10
X	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; SHIGENAGA, SHINJI ET AL: "Synthesis and pharmacological properties of N-'4-'4-(1H-indol-3-yl)piperidinoalkyl!-2-thiazolyl!alkanesulfonamides as novel antiallergic agents" XP002323050 retrieved from STN Database accession no. 1994:323350 abstract & CHEMICAL & PHARMACEUTICAL BULLETIN , 41(9), 1589-95 CODEN: CPBTAL; ISSN: 0009-2363, 1993,	9
A	EP 0 135 105 A (CIBA-GEIGY) 27 March 1985 (1985-03-27) the whole document	1-11

**INTERNATIONAL SEARCH REPORT****PCT/IB2004/004170****Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  
**Although claims 1-8 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.**
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

PCT/IB2004/004170

Patent document cited in search report		Publication date	Patent family member(s)	Publication date	
EP 0224919	A	10-06-1987	AR 242574 A1 AT 66224 T AU 601911 B2 AU 6581086 A CA 1311754 C CN 86108205 A ,B DE 3680877 D1 DK 575386 A EP 0224919 A2 ES 2040206 T3 FI 864879 A ,B, GR 3002606 T3 HU 46320 A2 IE 59624 B1 JP 1824359 C JP 63225374 A KR 8903356 B1 KR 8903357 B1 KR 8903358 B1 NO 864879 A ,B, PH 23004 A SU 1597102 A3 SU 1753948 A3 US 4742057 A ZA 8608751 A		30-04-1993 15-08-1991 20-09-1990 11-06-1987 22-12-1992 17-06-1987 19-09-1991 06-06-1987 10-06-1987 16-10-1993 06-06-1987 25-01-1993 28-10-1988 09-03-1994 10-02-1994 20-09-1988 19-09-1989 19-09-1989 19-09-1989 09-06-1987 24-02-1989 30-09-1990 07-08-1992 03-05-1988 24-06-1987
EP 0135105	A	27-03-1985	AU 570490 B2 AU 3167184 A BR 8403973 A CA 1236840 A1 DE 3473210 D1 EP 0135105 A1 ES 8506002 A1 GB 2144994 A ,B NZ 209150 A PH 20365 A US 4732908 A IL 72595 A JP 1665766 C JP 3029077 B JP 60056976 A ZA 8406134 A	17-03-1988 14-02-1985 09-07-1985 17-05-1988 15-09-1988 27-03-1985 16-10-1985 20-03-1985 12-11-1986 04-12-1986 22-03-1988 30-10-1987 19-05-1992 23-04-1991 02-04-1985 24-04-1985	